Seat No.:		Enrolment No
	GUJARAT TECHNOLOG	ICAL UNIVERSITY
	BE - SEMESTER-IV(New) • EXAM	IINATION – WINTER 2016
Subject C	ode:2141308	Date:24/11/2016

Subject Name:Environmental Resources

Time: 02:30 PM to 05:00 PM Total Marks: 70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

	5	. Tigures to the right indicate run marks.	
0.1			MARK
Q.1	1	Short Questions Define the term deforestation?	14
	2	What do you mean by non renewable energy?	
	3	Define the term desalination.	
	4	Which are the alternative energy sources?	
	5	Explain the term environmental ethics.	
	6	Define the term tidal energy.	
	7	What do you mean by dense forest?	
	8	What you mean by CDM.	
	9	What you mean by carbon footprint.	
	10	Define the term bio-diversity.	
	11	Enlist two uses of geothermal energy.	
	12	What is role of CFC in climate change?	
	13	What is photovoltaic cell?	
	14	What you mean demographic transition.	
Q.2	(a)	Differentiate between "Reuse" and "Recycle" of water with example	03
	(b)	Indentify sources of food. Explain any one in detail.	04
	(c)	Write a short note on water conservation in industry.	07
		OR	
	(c)	Enlist & explain environmental impacts of agriculture.	07
Q.3	(a)	Write a short note on "Role of Co2 in global warming".	03
	(b)	Explain the importance of a forestation.	04
	(c)	Explain the need for bio-diversity conservation. Also enlist and explain the	07
		merits & demerits of in situ conservation.	
		OR	
Q.3	(a)	Write a short note on carbon footprint.	03
	(b)	Which are the effects of deforestation?	04
	(c)	Write a short note on "Ex-situ Boi-diversity conservation."	07
0.4	(a)	What is solar energy? Write its advantages and disadvantages.	03

	(b)	Give a brief note on reasons for extinction of wild life.	
	(c)	Enlist different population theories and explain any one in detail.	07
		OR	
Q.4	(a)	Give a classification of renewable and non renewable sources of energy	03
		with example.	
	(b)	Discuss the concept of doubling time with its applications.	04
	(c)	Write a short note on demographic projections and population structure.	07
Q.5	(a)	Write down the application of environmental ethics.	03
	(b)	Enlist national and international environmental movements.	04
	(c)	Define bio-technology and briefly explain the role of bio-technology with	07
		reference to bio-diversity conservation.	
		OR	
Q.5	(a)	"Population is route cause of pollution", justify statement.	03
	(b)	Enlist the unique characteristics of water and explain any three with	04
		example.	
	(c)	Write a short note on static reserve index and exponential reserve index.	07
